

UNIVERSITY OF PENNSYLVANIA -- SCHOOL OF MEDICINE
Curriculum Vitae

July 2001

Thomas R. Ten Have

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Education:

1976-1978	A.A.	Grand Rapids Junior College
1978-1981	B.A.	University of Michigan (Statistics)
1981-1982	M.P.H.	University of Michigan (Biostatistics)
1989-1991	Ph.D.	University of Michigan (Biostatistics)

Postgraduate Training and Fellowship Appointments: n/a

Military Service: none

Faculty Appointments:

1980-1984	Research Assistant, Department of Biostatistics, School of Public Health, University of Michigan
1983-1984	Research Associate, Department of Pathology, School of Medicine, University of Michigan
1983-1984	Computer Consultant, Statistical Research Laboratory, University of Michigan
1983-1984	Research Associate, Center for Human Growth and Development, University of Michigan
1991-1992	Visiting Assistant Professor, Department of Biostatistics, School of Public Health, University of Michigan

1992-1997	Assistant Professor, Center for Biostatistics and Epidemiology, College of Medicine, Penn State University
1997-present	Associate Professor, Department of Biostatistics and Epidemiology, University of Pennsylvania

Hospital and Administrative Appointments: none

Specialty Certification: n/a

Licensure: n/a

Awards, Honors and Membership in Honorary Societies:

Membership in Professional and Scientific Societies:

National Societies:

American Public Health Association
American Statistical Association
Biometrics Society
Institute of Mathematical Statistics
Society for Epidemiological Research

National Scientific Committees:

1997-1999	Grant Reviewer (AdHoc NIH Study Section) Scientific Review Special Emphasis Panel Statistics Study Section
1999	Grant Reviewer (AdHoc NIH Study Section) Scientific Review Special Emphasis Panel SNEM5 Study Section
1999	Grant Reviewer (AdHoc NIMH Study Section) Scientific Review Special Emphasis Panel SNEM 5 Interventions Infrastructure Program
1999	Grant Reviewer (AdHoc NIMH Study Section) Scientific Review Special Emphasis Panel Mental Health Services Research Center Review
1999	Grant Reviewer (AdHoc NIMH Study Section) Scientific Review Special Emphasis Panel Intervention Research Center Review
2000	Grant Reviewer (AdHoc NIMH Study Section) Scientific Review Special Emphasis Panel R01 Grant Review Mental Health Services Research Center Review

2000	AdHoc Grant Reviewer (Permanent NIMH Study Section) Scientific Review Special Emphasis Panel Services Research Review Committee
2000	Grant Reviewer, NSF Methodology, Measurement, and Statistics Program
2001	AdHoc Grant Reviewer (Permanent NIMH Study Section) Scientific Review Special Emphasis Panel Services Research Review Committee
2001-present	Member, Data Safety Monitoring Committee NIMH-sponsored randomized trial, "early Cognitive Therapy Intervention for Suicide Attempters".PI: _____
2001-present	Member, Data Safety Monitoring Committee NIH-sponsored study, "Prevention of transmission of mutans streptococci from mothers to children".PI: _____, _____, _____, _____, University of Pittsburgh.

Editorial Positions:

1994-present	Annals of Internal Medicine, Statistical Reviewer
1995-1996	Journal of Thoracic & Cardiovascular Surgery, Statistical Reviewer
1999-present	Bipolar Disorders, Statistical Consulting Editor
1999-present	Biometrics, Associate Editor
2000-present	Applied Statistics, Associate Editor
1999	Journal of Gerontology: Social Science, Referee
1999	Journal of Mental Health Policy and Economics, Referee
1999	Journal of American Statistical Association, Referee
1999	American Journal of Epidemiology, Referee
1999	Journal of Mental Health Policy and Economics, Referee
1999	Statistics in Medicine, Referee
1999	Biostatistics, Referee
2000	Journal of American Statistical Association, Referee
2000	Annals of Statistics, Referee
2000	Psychosomatic Medicine, Referee
2000	Psychometrika, Referee
2001	Editor of Biometric Bulletin, Newsletter of the International Biometric Society

Academic Committee Appointments:

1994-1997	Member, Continuing Education Liaison Committee, Penn State University School of Medicine
1995-1997	Member, United States Medical Licensing Examination, Penn State University School of Medicine
1996-1997	Member, Hershey Medical Center Diversity Task Force Committee, Penn State University School of Medicine

1996-1997	Member, Curriculum Integration Committee (Physicians, Patients and Investigational Review Board, Penn State University School of Medicine)
1997-1998	Member, EPI 154 Curriculum Committee, CCEB, University of Pennsylvania College of Medicine
1997-present	Member, Consulting Committee, CCEB, University of Pennsylvania College of Medicine, Co-Chair
1997-present	Member, Biostatistics Recruitment Committee, CCEB, University of Pennsylvania College of Medicine
1999-present	Chair, Biostatistics Computing Advisory Committee, CCEB, University of Pennsylvania College of Medicine, Chair
1999-present	Member, Biostatistics Administrative Committee, CCEB, University of Pennsylvania College of Medicine
1999-present	Member, Biostatistics Student Funding Committee, CCEB, University of Pennsylvania College of Medicine
1999-present	Member, Biostatistics Student Computing Committee, CCEB, University of Pennsylvania College of Medicine
2000-present	Affirmative Action Officer, Basic Sciences, Department of Medicine, Department of Radiology, University of Pennsylvania College of Medicine
2000-2001	Member, Medical School Committee to Review the Institute of Aging

Major Teaching Responsibilities:

1993-1996	Introduction to Biostatistics -- Design issues and statistical analysis in epidemiology, 9 hours of 3 credit course, Department of Statistics, Penn State University.
1996	Facilitator for Critical Appraisal Module, College of Medicine, Penn State University, afternoon sessions.
1997-1998	Epidemiology 154 -- Introduction to Epidemiology. Co-facilitated discussion with first year medical students about critical appraisal of medical literature.
1998-1999	Preceptor, Independent study in analysis of longitudinal data with Soledad Cepada (Co-taught with _____)
1998-1999	Preceptor, Independent study in the analysis of longitudinal data from randomized trials with _____
1998-present	Biostatistics Advisor. _____
1998-present	Biostatistics Advisor. _____
1998-present	Biostatistics Advisor. _____
1998-present	Biostatistics Advisor. _____
2000-present	Advisor. _____
2000-present	Preceptor, Independent study in the analysis of longitudinal data with _____

Lectures by invitation:

August 14, 1995

"Cluster-specific and population-averaged models for clustered ordinal data" -- Joint Statistical Meetings, Orlando, Florida.

August 15, 1995

"Alternative Methods for Clustered Categorical Data: A comparison of Association Models for Periodontal Disease Progression" -- Joint Statistical Meetings, Orlando, Florida.

June 12, 1996

"Assessing equivalence for clustered binary response data." -- Drug Information Association Meeting, San Diego, California.

February 2, 1996

"A comparison of population-averaged and cluster-specific methods" -- Department of Economics, University of Geneva, Geneva, Switzerland.

February 7, 1996

"An analysis of longitudinal binary data from a study of treatment of schizophrenia" -- Division of Clinical Epidemiology, Canton University Hospital, University of Geneva, Geneva, Switzerland.

February 8, 1996

"A validation analysis of an instrument for measuring energy expenditure" -- Division of Clinical Epidemiology, Canton University Hospital, University of Geneva, Geneva, Switzerland.

January 23, 1997

"Mixed effects models for longitudinal binary data with informative drop-out" -- Department of Biostatistics, Columbia School of Public Health, New York

February 4, 1997

"Mixed effects models for longitudinal binary data with informative drop-out" -- American Statistical Association, Connecticut Chapter Meeting, West Haven, Conn.

July 28, 1997

"Mixed effects models for longitudinal binary data with informative drop-out" -- International Biometrics Society Meeting, Western North American Region, Park City, Utah.

March 29, 1998

"A mixed effects analysis of ordinal longitudinal functional status with competing informative drop-outs" -- International Biometric Society Eastern North American Region, Pittsburgh, PA.

August 28, 1998

"Analysis of bivariate binary time series data in an assessment of medical treatment of schizophrenia." Hershey Medical Center, Hershey, PA.

Sept. 17, 1998

"Analysis of data from multicenter clinical trials center for device

research" -- FDA, Co-presenter with Jesse A. Berlin and A. Russell Localio, Rockville, MD

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| March 28-31, 1999 | "Empirical Bayes estimation of random effects parameters in mixed effects logistic regression models" International Biometrics Society Eastern North American Region, Atlanta, GA. |
| April 23-24, 1999 | "Nested mixed effects logistic regression models for multiple longitudinal binary functional limitation responses with informative drop-out from the Longitudinal Study of Aging." Invited poster. Conference on Informatively Missing Data. Texas A&M University, College Station, TX. |
| June 6-9, 1999 | "Mixed effects logistic regression models for longitudinal ordinal functional response data with multiple cause drop-out from the Longitudinal Study of Aging." 1999 Statistical Society of Canada Annual Meeting, Regina, Saskatchewan. |
| June 19-20, 1999 | "Nested mixed effects logistic regression models for multiple longitudinal binary functional limitation responses with informative drop-out from the Longitudinal Study of Aging." 1999 ICSA Applied Statistics Symposium, Washington, DC. |
| August 8-12, 1999 | "Nested mixed effects logistic regression models for multiple longitudinal binary functional limitation responses with informative drop-out from the Longitudinal Study of Aging." Joint Statistical Meetings, Baltimore MD. |
| December 6, 1999 | "Deviations from the population-averaged versus cluster-specific relationship." Brown University, Center for Statistical Science, Providence, RI. |
| February 18, 2000 | "An assessment of non-randomized medical of long-term schizophrenia relapse using bivariate binary response transition models." Division of Epidemiology, Statistics, and Prevention Branch, NICHD, NIH, Rockville, MD. |
| March 20-23, 2000 | "An assessment of non-randomized medical of long-term schizophrenia relapse using bivariate binary response transition models." International Biometrics Society Eastern North American Region, Chicago, IL. |
| April 3, 2000 | "An assessment of non-randomized medical of long-term schizophrenia relapse using bivariate binary response transition models." Department of Biostatistics, University of Iowa |

College of Public Health, Iowa, IA.

- April 19, 2000 "An assessment of non-randomized medical of long-term schizophrenia relapse using bivariate binary response transition models." Department of Biostatistics, University of North Carolina at Chapel Hill, School of Public Health, Chapel Hill, NC.
- June 14, 2000 "A mixed view of the population-averaged versus cluster-specific relationship." DIA Annual Meeting, San Diego, CA.
- November 7, 2000 "Deviations from the population-averaged versus cluster-specific relationship". Yale University School of Medicine, Division of Biostatistics, Department of Epidemiology and Public Health, New Haven, CT.
- December 13, 2000 "Shifting the paradigm: methodological and ethical questions in geriatric depression research in the general medical sector". 39th American College of Neuropsychopharmacology Annual Meeting, San Juan, Puerto Rico.
- March 26, 2001 "Binary response models for randomized longitudinal trials with treatment non-compliance". International Biometrics Society, Eastern North American Region Meeting, Charlotte North Carolina.
- July 6-8, 2001 "A mixed view of mixed effects and population-averaged logistic models". Statistics 2001, Concordia University, Montreal, Canada.

Organizing roles in Scientific Meetings:

- March 30, 1999 Invited session organizer, International Biometrics Society, ENAR Meeting, Atlanta, GA.
- March 25-28, 2001 Program Chair for the Biometrics Section of the American Statistical Association, International Biometrics Society, ENAR Meeting, Charlotte, NC.
- March 25-28, 2001 Invited session organizer, International Biometrics Society, ENAR Meeting, Charlotte, NC.

Bibliography:

Research publications, peer reviewed:

1. Brooks, D.P., Crofton J.L., Share L., Mitchell J., Grekin R.J., Ten Have T.R., and Bohr, D.F. Increased Urinary Vasopressin Excretion in the Doca-hypertensive pig. Clinical and Experimental Hypertension 5: 1717-1734, 1983.

2. Kerr, W.J. and Ten Have, T.R. Changes in the soft tissue profile during the treatment of Class III malocclusion. *British Journal of Orthodontics* 14: 243-49, 1987.
3. Garn, S.M., Sullivan, T.V., and Ten Have, T.R. The need for differential weightings with summed skinfold values. *Ecology of Food and Nutrition* 20: 157-59, 1987.
4. Riolo, M.L., Brandt, D.J., and Ten Have, T.R. Association between features of occlusion and signs and symptoms of TMJ dysfunction in children and young adults. *American Journal of Orthodontics and Dentofacial Orthopedics* 92: 467-77, 1987.
5. Garn, S.M., Sullivan, T.V., and Ten Have, T.R. Interpreting blood pressure and "modernization" in Brazil. *American Anthropologist* 90: 164-65, 1988.
6. Kerr, W.J. and Ten Have, T.R. A comparison of three appliance systems in the treatment of Class III malocclusion. *European Journal of Orthodontics* 10: 203-14, 1988.
7. Kerr, W.J. and Ten Have, T.R. Mandibular position in class III malocclusion. *British Journal of Orthodontics* 15: 241-245, 1988.
8. Riolo, M.L., Ten Have, T.R., and Brandt, D.J. Clinical validity of the relationship between TMJ signs and symptoms in children and youth. *Journal of Dentistry for Children* 55: 110-113, 1988.
9. Riolo, M.L., Moyers, R.E., and Ten Have, T.R. Imprecision and bias in orthodontic treatment. *American Journal of Orthodontics and Dentofacial Orthopedics* 93: 138-142, 1988.
10. Keeling, S.D., Riolo M.L., Martin, R.E., and Ten Have, T.R. A multivariate approach to analyzing the relation between occlusion and craniofacial morphology. *American Journal of Orthodontics and Dentofacial Orthopedics* 95: 295-305, 1989.
11. Boecler, P.R., Keeling, S.D., Riolo M.L., and Ten Have, T.R. Skeletal changes associated with extraoral appliance therapy: an evaluation of 200 consecutively treated cases. *Angle Orthodontist* 59: 263- 270, 1989.
12. Kerr, W.J. Ten Have, T.R., and McNamara, J.A. A comparison of skeletal and dental changes produced by function regulators (FR-2 and FR-3). *European Journal of Orthodontics* 11: 235-242, 1990.
13. Schneiderman, E.D., Kowalski, C.J., and Ten Have, T.R. A Gauss program for computing an index of tracking from longitudinal observations. *American Journal of Human Biology* 2: 475-490, 1990.
13. Mann, J., Ten Have, T.R., Plunkett, J.W., and Meisels, S.J. Time-sampling: a methodological critique. *Child Development* 62: 227-241, 1991.

14. Ten Have, T.R., Kowalski, C.J., and Schneiderman, E.D. A GAUSS program for analyzing one-sample longitudinal data sets which satisfy the two-stage polynomial growth curve model. *American Journal of Human Biology* 3: 269-279, 1991.
15. Schneiderman, E.D., Willis, S.M., Ten Have, T.R., and Kowalski, C.J. Rao's polynomial growth curve model for unequal-time intervals: a menu-driven GAUSS program. *International Journal of Biomedical Computing* 29:235-244, 1991.
16. Ten Have, T.R., Kowalski, C.J., Schneiderman, E.D., and Willis, S.M. Technical Note: Two programs for performing multigroup longitudinal analysis. *American Journal of Physical Anthropology* 88:251-254, 1992.
17. Ten Have, T.R., Kowalski, C.J., Schneiderman, E.D. A PC program for obtaining orthogonal polynomial regression coefficients in longitudinal data analysis. *American Journal of Human Biology* 4:403-416, 1992.
18. Ten Have, T.R., Kowalski, C.J., Schneiderman, E.D., and Willis, S.M. A PC program for performing multigroup longitudinal comparisons using the Potthoff-Roy analysis and orthogonal polynomials. *International Journal of Biomedical Computing* 30:103-112, 1992.
19. Schneiderman, E.D., Willis, S.M., Kowalski, C.J., and Ten Have, T.R. A PC program for growth prediction in the context of Rao's polynomial growth curve model. *Computers in Biology and Medicine* 22:181-188, 1992.
20. Schneiderman, E.D., Willis, S.M., Kowalski, C.J., and Ten Have, T.R. A PC program for comparing tracking indices in several independent groups. *American Journal of Human Biology* 4:399-401, 1992.
21. Schneiderman, E.D., Kowalski, C.J., Ten Have, T.R. and Willis, S.M. Computation of Foulkes-Davis' nonparametric tracking index using GAUSS. *American Journal of Human Biology* 4:417-420, 1992.
22. Schneiderman, E.D., Willis, S.M., Kowalski, C.J., and Ten Have, T.R. Longer-term growth prediction using Gauss. *Computers in Biology and Medicine* 23:149-154, 1993.
23. Schneiderman, E.D., Willis, S.M., Kowalski, C.J., and Ten Have, T.R. A GAUSS program for computing the Foulkes-Davis tracking index for polynomial growth curves. *International Journal of Biomedical Computing* 32:35-43, 1993.
24. Meisels, S.J. Henderson, L.W., Liaw, F., Browning K., and Ten Have, T.R. New evidence for the effectiveness of the early screening inventory. *Early Childhood Quarterly*. 8:327-346, 1993.
25. Furey, A.M., Ten Have, T.R., Kowalski, C.J., Schneiderman, E.D., and Willis, S.M. PC program extending the two-stage polynomial growth curve model to allow missing

- data. *International Journal of Biomedical Computing* 33:287-296, 1993.
26. Guo, I.Y., Ten Have, T.R., Kowalski, C.J., Schneiderman, E.D., and Willis, S.M. PC program for computing McMahan's tracking indices from one-sample longitudinal data sets. *International Journal of Biomedical Computing* 35:255-266, 1994.
 27. Hopper, K.D., Houts, P.S., Ten Have, T.R., Matthews, Y.L., Colon, E., Haseman, D.B., Hartzel, J. The effect of informed consent on the level of anxiety in patients given IV contrast material. *American Journal of Radiology* 162:531-535, 1994.
 28. Hopper, K.D., Zajdel, M., Hulse, S.F., Yoanidis, N., Ten Have, T.R., Houts, P.S., Brensinger, C., Hartman, D.S. An interactive method of informing patients of the risks of intravenous contrast material. *Radiology* 192:67-71, 1994.
 29. Ten Have, T.R. and Uttal, D.H. Subject-specific and population-averaged continuation ratio logit models for discrete time survival data. *Applied Statistics* 43:371-384, 1994.
 30. Ten Have, T.R. and Chinchilli, V.M. Bayesian analysis of within-units variance in repeated measures experiments. *Statistics in Medicine* 13:1841-1852, 1994.
 31. Hopper, K.D., Grenko, R.T., TenHave, T.R., Hartzel, J., Sturtz, K.W., and Savage, C.J. Percutaneous Biopsy of the Liver and Kidney by using coaxial technique. *American Journal of Radiology* 164:221-224, 1995.
 32. Hopper, K.D., TenHave, T.R., and Hartzel, J. Informed consent forms for clinical and research imaging procedures. *American Journal of Radiology* 164:493-496, 1995.
 33. Kasales, J.K., Hopper, K.D., Ariola, D.N., TenHave, T.R., Meilstrup, J.W., Mahraj, R.P.M., Van Hook, D., Westacott, S., Sefczek, R.J., Barr, J.D. Reconstructed helical CT scans: Improvement in z-axis resolution compared with overlapped and nonoverlapped conventional CT scans. *American Journal of Radiology* 164:1281-1284, 1995.
 34. Savage, C.J., Hopper, K.D., Abendroth, C.S., Hartzel, J.S., Sturtz, K.W., and TenHave, T.R. A comparison of in vivo fine-needle aspiration versus non-aspiration biopsy. *Radiology* 195:815-819, 1995.
 35. Hopper, K.D., Abendroth C.S., TenHave, T.R., Hartzel, J., Sturtz, K.W., and Savage, C.A. Efficacy of performing multiple fine-needle biopsies using a coaxial technique: Efficacy and a comparison of three methods. *Cardiovascular Interventional Radiology* 18:307- 311, 1995.
 36. Localio, A.R., Hamory, B.H., Sharp, T.J., Weaver, S.L, Ten Have, T.R., and Landis, J.R. Comparing hospital mortality in adult patients with pneumonia. *Annals of Internal Medicine* 122:125-132, 1995.
 37. Morabia, A., Ten Have, T.R., and Landis, J.R. An empirical evaluation of the

- influence of control selection schemes on relative risk estimation. *Occupational and Environmental Medicine* 152:489- 493, 1995.
38. Ten Have, T.R., Landis, J.R., and Weaver, S.L. Association models for periodontal disease progression: a comparison of methods for clustered binary data. *Statistics in Medicine* 14:413-430, 1995.
39. Ten Have, T.R. and Chinchilli, V.M. Analysis of bioequivalence with respect to TMAX under a 2x2 cross-over design. *Journal of Biopharmaceutical Statistics* 5:185-200, 1995.
40. Ten Have, T.R. and Becker, M.P. Multivariate contingency tables and the analysis of exchangeability. *Biometrics* 51:1001-1016, 1995.
41. Ten Have, T.R. and Hartzel, T. A comparison of two approaches to analyzing correlated binary data in developmental toxicity studies. *Teratology* 52:267-276, 1995.
42. Briguglio, J., Cardella, J.F., Fox, P.S., Hopper, K.D., and TenHave, T.R. Development of a model angiography informed consent form based on a multiinstitutional survey of current forms. *Cardiovascular and Interventional Radiology* 6:971-978, 1996.
43. Zhang, Z., Moore, R.L., Ten Have, T.R., and Cheung, J.Y. Frequency dependence of calcium transients in single cardiac myocytes: effects of isoproterenol, renovascular hypertension and healed myocardial infarction. *American Journal of Physiology* 269:C632-C640, 1996.
44. Floros, J., Veletza, V., Rogan, P., and Ten Have, T.R. Racial differences in allelic distribution at the human pulmonary surfactant protein B gene locus (SP-B). *Experimental Lung Research* 22:489-494, 1996.
45. Neptune, S.M., Hopper, K.D., Houts, P.S., Hartzel, J.S., TenHave, T.R., and Loges, R.J. Take home informed consent for intravenous contrast media: Do patients learn more? *Investigative Radiology* 31:109-113, 1996.
46. Hopper, K.D., Kasales, C.J., Van Slyke, M.A., Schwartz, T.A., TenHave, T.R., and Jozefiak, J.A. Analysis of interobserver and intraobserver variability in CT tumor measurement. *American Journal of Roentgenology* 167:851-854, 1996.
47. Hopper, K.D., Abendroth, C.S., TenHave, T.R., and Fisher, A.I. Technical note: A comparison of the Gallini IBI and TSK surecut biopsy needles. *American Journal of Roentgenology* 167:663-665, 1996.
48. Hopper, K.D., Kasales, C.J., Mahraj, R., Eggli, K., Patrone, S., TenHave, T.R., and Fisher, A.I. The routine use of a higher order interpolator and bone algorithm in thoracic CT. *American Journal of Roentgenology* 167:947-949, 1996.

49. Hopper, K.D., Grenko, R.T., Fisher, A.I., TenHave, T.R. Capillary versus aspiration biopsy: effect of needle size and length on the cyto-specimen quality. *Journal of Vascular and Interventional Radiology* 19:341-344, 1996.
50. Hopper, K.D., Perantozzi, D., Potok, P.S., Kasales, C.J., TenHave, T.R., Meilstrup, J.W., Van Slyke, M.A., Mahraj, R., Westacott, S., and Hartzel, J.S. The quality of 3-D reconstructions from 1.0 and 1.5 pitch helical and conventional CT. *Journal of Computer Assisted Tomography* 20:841-847, 1996.
51. Hopper, K.D., Kasales, C.J., Eggli, K.D., TenHave, T.R., Belman, N.M., Potok, P.S., Van Slyke, M.A., Olt, G.J., Close, P., Lipton, A., Harvey, H.A., and Hartzel, J.S. The impact of 2-D versus 3-D quantitation of tumor bulk determination on current methods of decreasing response to treatment. *Journal of Computer Assisted Tomography*. 20:930-937, 1996.
52. Ten Have, TR. A mixed effects model for multivariate ordinal response data including correlated discrete failure times with ordinal response. *Biometrics* 52:473-491, 1996.
53. Ten Have, T.R. Reparameterized conditional and marginal association models for potentially exchangeable discrete data. *Applied Statistics* 45:353-369, 1996.
54. Ten Have, T.R., Landis, J.R., and Hartzel, J. Population-averaged and cluster-specific models for clustered ordinal response data. *Statistics in Medicine*. 15:2573-2588, 1996.
55. Hopper, K.D., Gouldy, A., Kasales, C.J., TenHave, T.R., and Fisher, A.L. The effect of helical CT on x-ray attenuation. *Journal of Computer Assisted Tomography*. 21:152-155, 1997.
56. Wise, S.W., Hopper, K.D., Schwartz, T.A., Ten Have, T.R., and Kasales, C.J. Technical factors of CT angiography studied with a carotid artery phantom. *American Journal of Neuroradiology*. 18:401-408, 1997.
57. Ten Have, T.R., Van Horn, B., T.R., Kumanyika, S.K., Askov, E., Matthews, Y., and Adams-Campbell, L.L. Literacy assessment in a cardiovascular nutrition educational setting. *Patient Education and Counseling*. 31:139-150, 1997.
58. Localio A.R., Hamory B.H., Fisher A.C., Ten Have T.R. The public release of hospital and physician mortality data in Pennsylvania: A case study. *Medical Care*. 35:272-286, 1997. 1996.
59. Morabia, A., Ten Have, T.R., and Landis, J.R. Interaction fallacy. *Journal of Clinical Epidemiology*, 50:809-812, 1997.
60. Ten Have, T.R. and Bixler, E.O. Modeling population heterogeneity in sensitivity and specificity of a multi-stage screen for obstructive sleep apnea. *Statistics in Medicine*, 16:1995-2008, 1997.

61. Claves, J.L., Wise, S.W., Hopper, K.D., Tully, D., TenHave, T.R., and Weaver, J. Evaluation of contrast densities in the diagnosis of carotid stenosis by CT angiography. *American Journal of Radiology*, 169:569-573, 1997.
62. Höpper, K.D., Mosher, T.J., Kasales, C.J., TenHave, T.R., Tully, D.A., Weaver, J.S. Thoracic spiral CT: Delivery of contrast material pushed with injectable saline solution in a power injection. *Radiology*, 205:269-271, 1997.
63. Agurs-Collins, T.D., Kumanyika, S.K., Ten Have, T.R., and Adams-Campbell, L.L. A randomized controlled trial of weight reduction and exercise for diabetes management in older African-Americans. *Diabetes Care*. 20:1503-1511, 1997.
64. Hopper, K.D., King, S.H., Lobell, M.E., Ten Have, T.R., and Weaver, J.S. The breast: In-plane x-ray protection during diagnostic thoracic CT—Shielding with bismuth radioprotective garments. *Radiology*. 205:853-858, 1997.
65. Hopper, K.D., Kasales, C.J., Mahraj, R.P.M., Starr, M.B., Ten Have, T.R., Jozefiak, J.A., Patrone, S.V., and Singer, P.S. Comparison of 1.0-, 1.5-, and 2.0-pitch abdominal helical computed tomography in evaluation of normal structures and pathologic lesions. *Investigative Radiology*. 32:660-666, 1997.
66. Hopper, K.D., Huber, S.J., Kasales, C.J., Mucha, P., Khandelwal, M., Rowe, W.A., TenHave, T.R., Wise, S.W., and Ouyang, A. The clinical usefulness of routine stacked multiplanar reconstruction in helical abdominal CT. *Investigative Radiology*. 32:550-556, 1997.
67. Kala, P., Ten Have, T.R., Nielsen, H., Dunn, M., and Floros, J. Association of pulmonary surfactant protein A (SP-A) gene and respiratory distress syndrome: Interaction with SP-B. *Pediatric Research*. 43:169-177, 1998.
68. Ten Have, T.R., Kunselman, A.R., Pulksteins, E.P., and Landis, J.R. Mixed effects logistic regression models for longitudinal binary response data with informative drop-out. *Biometrics*. 54:367-383, 1998.
69. Hopper, K.D. and Ten Have, T.R. Gel tubes: A unique new method of core specimen retrieval and transport. *American Journal of Radiology*. 2:574-576, 1997.
70. Bixler, E.O., Vgontzas, A.N., Ten Have, T.R., Tyson, K., and Kales, A. Effects of age on sleep apnea in men: I. Prevalence. *The American Journal of Critical Care Medicine*. 1:144-148, 1998.
71. Hopper, K.D., Ten Have, T.R., Tully, D.A., and Hall, T.E.L. The readability of currently used surgical procedure consent forms in the United States. *Surgery*. 5:496-503, 1998.

72. Ten Have, T.R., Kunselman A.R., and Zharichenko, E. Accommodating negative intracluster correlation for clustered binary response data. *Journal of Biopharmaceutical Statistics*. 8:131 – 149, 1998.
73. Ten Have, T.R. and Chinchilli, V.M. Two-stage negative binomial and overdispersed Poisson models for clustered developmental toxicity data with random cluster size. *Journal of Agricultural, Biological, and Environmental Sciences*. 3:75 – 98, 1998.
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Alternative Media: None

Patents: None

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